

Title (en)
Pump

Title (de)
Pumpe

Title (fr)
Pompe

Publication
EP 2772651 A3 20141224 (DE)

Application
EP 14154409 A 20140210

Priority
DE 102013203577 A 20130301

Abstract (en)
[origin: EP2772651A2] The vacuum pump (10) has a side-channel pump stage (12) which has a side channel with a stator element (14), where a coolant circuit (25) is formed for cooling the vacuum pump with a coolant. The coolant circuit has a coolant channel (18) for the side-channel pump stage. The coolant channel is bounded by the stator element. The coolant circuit is formed for cooling a component of the vacuum pump. The component is selected from the group of a drive electronic (20), a motor (22), a high vacuum pump stage (24), a housing and a bearing plate of the vacuum pump.

IPC 8 full level
F04D 23/00 (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP US)
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Citation (search report)

- [XA] US 5664935 A 19970909 - NISHIUCHI AKIRA [JP], et al
- [X] US 5020969 A 19910604 - MASE MASAHIRO [JP], et al
- [X] US 2012189436 A1 20120726 - SHIEH TENGHUA TOM [US], et al
- [X] DE 19819267 A1 19991104 - BECKER KG GEBR [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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US 2014248166 A1 20140904

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EP 14154409 A 20140210; DE 102013203577 A 20130301; US 201414191705 A 20140227